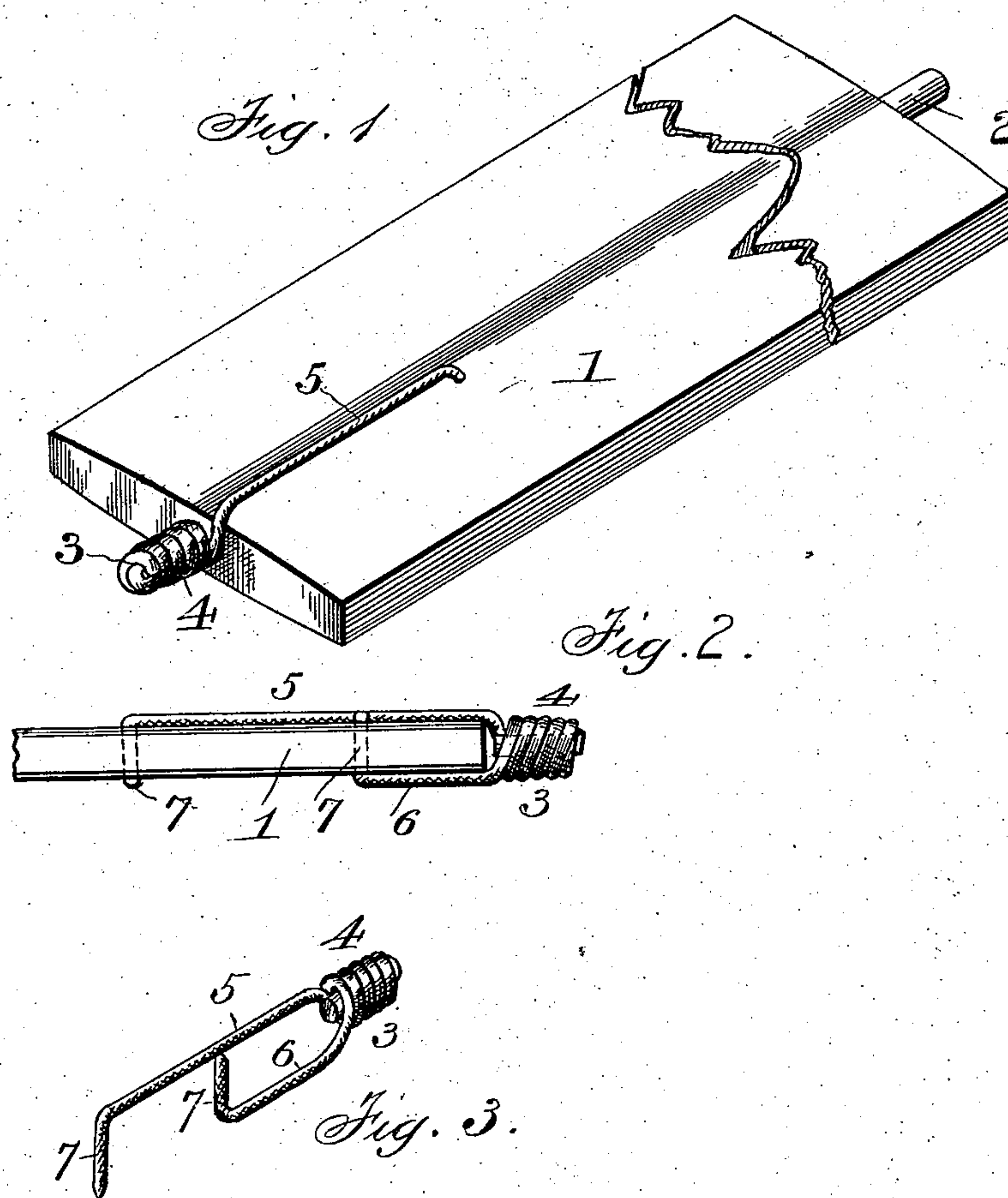


(No Model.)

T. B. ASHFORD.  
JOURNAL FOR WINDOW BLIND SLATS.

No. 564,137.

Patented July 14, 1896.



Witnesses.

*F. L. Durand*  
*Samuel H. Jones*

Inventor.

*Thomas B. Ashford,*  
*by Louis Pagger & Co.*

Attorney.

# UNITED STATES PATENT OFFICE.

THOMAS B. ASHFORD, OF KINSTON, NORTH CAROLINA, ASSIGNOR OF  
ONE-HALF TO HENRY D. HARPER, SR., OF SAME PLACE.

## JOURNAL FOR WINDOW-BLIND SLATS.

SPECIFICATION forming part of Letters Patent No. 564,137, dated July 14, 1896.

Application filed May 7, 1896. Serial No. 590,592. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS B. ASHFORD, a citizen of the United States, and a resident of Kinston, in the county of Lenoir and State of North Carolina, have invented certain new and useful Improvements in Journals for Window-Blind Slats; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in journals principally adapted for use in connection with that class of window shutters or blinds provided with pivoted slats connected together by a vertical rod, and is intended to replace the pivots at the ends of the slats when they become broken.

In the ordinary construction of such shutters or blinds the slats are provided at the ends with wooden pivots or journals, which fit and rotate or oscillate in bearings in the side rails of the shutter or blind. These pivots frequently become broken, necessitating considerable trouble and expense in repairing the same.

My invention is intended to obviate such difficulties and to provide a journal or pivot which can be economically manufactured and be easily and readily substituted for such broken pivots without requiring the assistance of a skilled mechanic.

The invention can also be employed for strengthening the wooden spindles of vehicles and other axles, as it can be readily applied thereto.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings Figure 1 is an elevation of a window-blind or shutter-

slat provided with my improved journal at one end. Fig. 2 is a longitudinal sectional view, and Fig. 3 is a perspective view of the journal detached.

In the said drawings the reference-numeral 1 designates a window-shutter slat, and 2 the ordinary wooden journal thereof.

The numeral 3 designates my improved journal, consisting of a piece of stiff or stout wire, of suitable length, bent over near the center and then formed with a number of oppositely-extending coils 4 and the ends extended outwardly in a straight line, forming two parallel arms 5 and 6 of unequal lengths, and the extremities thereof bent at right angles and pointed, forming lugs 7, which are driven into the slat, whereby the journal is securely held in place.

It will thus be seen that the coils form a tubular journal which can be inserted in the bearings in the side rails of the shutter, and when used for axle-spindles it can be slipped over the same and the lugs at the ends of the arms driven into the axle. By this means the spindle is strengthened, and the coils serve also to prevent wear of the same.

Having thus fully described my invention, what I claim is—

As an improved article, a journal consisting of the wire bent over near the center and oppositely coiled, and the ends bent outwardly forming parallel arms of unequal length, the extremities of which are pointed and bent inwardly at right angles; substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

THOMAS B. ASHFORD.

Witnesses:

BENNETT S. JONES,  
M. S. DUCKETT.